

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE PATENT TRANSMITTAL FORM

Applicant(s):

John R. Desjarlais

Serial No.:

09/877,695

For:

APPARATUS AND METHOD FOR DESIGNING PROTEINS AND F

LIBRARIES

Filed:

June 8, 2001

Examiner:

Not Yet Assigned

Art Unit:

2857

Attorney Docket:

823.0093USU

COMMISSIONER FOR PATENTS

Washington, D.C. 20231

Sir:

Transmitted herewith is:

- Information Disclosure Statement; 1.
- PTO Form 1449 with copies of patents; 2.
- Transmittal letter in duplicate; and 3.
- Postcard. 4.

Please charge any additional fees or credit any such fees, if necessary to Deposit Account No. 01-0467 in the name of Ohlandt, Greeley, Ruggiero & Perle. A duplicate copy of this sheet is attached.

Respectfully submitted,

Paul D. Greeley, Esq. Date: December 28, 2001

Reg. No. 31,019

Ohlandt, Greeley, Ruggiero & Perle, L.L.P.

One Landmark Square, 10th Floor Stamford, Connecticut 06901-2682

(203) 327-4500

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231, ON DECEMBER 28, 2001.

Jeffrey J. Scepanski_ NAME

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INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with applicant's duty of disclosure under 37 C.F.R. §1.56, please find attached hereto form PTO-1449 listing information which may be material to the patentability of this application. This Information Disclosure Statement is being filed:

	Within three (3) months of the filing date of the national application;
interna	Within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an tional application;
<u>XXX</u>	Before the mailing date of a first Office Action on the merits;
	After the filing date or date of first Office Action, but before the mailing date of a final action under 37 C.F.R §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);

 After the filing date or date of first Office Action, but before the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to the final action and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);
 After the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e), a petition requesting consideration of the I.D.S., and the petition fee set forth in 37 C.F.R. §1.17(i)(1); and
 After the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to the issuance of a final action and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e), a petition requesting consideration of the I.D.S., and the petition fee set forth in 37 C.F.R. §1.17(I)(1).

It should be understood that attention has been called to the references that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed references and to make the usual careful independent search for other prior art that may be pertinent.

Date: December 28, 2001

Respectfully submitted,

Paul D. Greeley Reg. No. 31,019

Ohlandt, Greeley, Ruggiero & Perle, L.L.P.

One Landmark Square, 10th Floor

Stamford, CT 06901-2682

(203) 327-4500

Sheet <u>1</u> of <u>13</u>. Docket Number (Optional) Application Number FORM PTO-1449 09/877,695 823.0093USU INFORMATION SISCLOSURE CITATION Applicant John R. Desjarlais Group Art Unit Filing Date (Use several sheets if necessary) 2857 June 8, 2001 U. S. PATENT DOCUMENTS FILING DATE IF **EXAMINER SUBCLASS APPROPRIATE DOCUMENT** NAME CLASS INITIAL DATE NUMBER FOREIGN PATENT DOCUMENTS Translation **CLASS SUBCLASS** YES NO COUNTRY **DOCUMENT** DATE NUMBER OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) Dahiyat et al. "Automated design of the surface positions of protein helices." Protein Science. (1997), 6: 1333-1337. Dahiyat et al. "Protein design automation." Protein Science. (1996), 5: 895-903. Dahiyat et al. "De novo protein design: Fully automated sequence selection." Science. Vol. 278, 3 Oct. 1997, 82-87. DATE CONSIDERED **EXAMINER** EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP §609; Draw line through

citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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Sheet <u>3</u> of <u>13</u>.

FORM PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

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Docket Number (Optional)

Application Number

823.0093USU

Applicant

09/877,695

John R. Desjarlais

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Sheet <u>4</u> of <u>13</u>.

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Sheet <u>5</u> of <u>13</u>. Application Number Docket Number (Optional) FORM PTO-1449 09/877,695 823.0093USU Applicant INFORMATION DISCLOSURE CITATION IN AN APPLICATION John R. Desjarlais Filing Date Group Art Unit (Use several sheets if necessary) 2857 June 8, 2001 U. S. PATENT DOCUMENTS FILING DATE IF **EXAMINER SUBCLASS APPROPRIÀTE CLASS** INITIAL **DOCUMENT** DATE NAME NUMBER FOREIGN PATENT DOCUMENTS Translation **SUBCLASS** YES NO DATE COUNTRY **CLASS** DOCUMENT NUMBER OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) Goldstein. "Efficient rotamer elimination applied to protein side-chains and related spin glasses. Biophys. J. (1994), 66(5), 1335-40. Gordon. "Energy functions for protein design. Curr Opin Struct Biol. (1999), 9(4), 509-13. Harbury et al. "Repacking protein cores with backbone freedom: structure prediction for coiled coils." Proc Natl Acad Sci USA. (1995), 92(18), 8408-12. **EXAMINER** DATE CONSIDERED



Sheet <u>6</u> of <u>13</u>.

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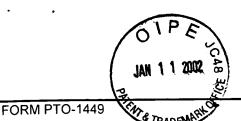
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Sheet <u>9</u> of <u>13</u>.

INFORMATION DISCLOSURE CITATION
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